CLAIM AMENDMENTS

Please cancel claims 1-4, 6-7, 11, 13, 18, 20, 22, 25, 30 and 33-35.

Claims 1-7 (Canceled)

Claims 8-10 (Withdrawn)

Claims 11-14 (Canceled)

Claims 15-17 (Withdrawn)

Claims 18-35 (Canceled)

36. (New) A data storage assembly comprising:

a housing comprising a standard form factor configuration associated with a standard width, length and height of the housing; and

a data storage device supported in the housing comprising:

at least one data storage disc comprising a diameter defined by a ratio of the disc diameter to the housing width being within the range of 0.65 to 0.88, the at least one disc operably coupled to a single spindle; and

a head/actuator assembly for reading data from and writing data to a selected ones of the discs.

37. (New) The data storage assembly of claim 36, wherein the housing comprises a standard 3½ inch standard form factor configuration.

38. (New) The data storage assembly of claim 37 wherein the at least one disc comprises a diameter that is smaller than 95 mm.

39. (New) The data storage assembly of claim 37 wherein the disc comprises a diameter of 84 mm.

40. (New) The data storage assembly of claim 37 wherein the housing comprises a 3½ inch low profile form factor configuration.

41. (New) The data storage assembly of claim 37 wherein the housing comprises a 3½ inch half-high form factor configuration.

42. (New) The data storage assembly of claim 36, wherein the data storage device further comprises a stack of discs rotated on the single spindle by a spindle motor at a design speed of at least 10,000 rpm.

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43. (New) The data storage assembly of claim 40 comprising six discs within the housing.

44. (New) The data storage assembly of claim 42 wherein the motor rotates the disc at a substantially greater speed in response to a power input as compared to a storage assembly comprising a diameter defined by a ratio greater than 0.88.

45. (New) The data storage assembly of claim 42 wherein the motor rotates the disc at a substantially greater speed in response to a power input whereby the data storage assembly operates with substantially the same heat as compared to a storage assembly comprising a diameter defined by a ratio greater than 0.88.

46. (New) The data storage assembly of claim 42 wherein spacing between the discs in the stack is reduced such that when the stack is rotated at a design speed of at least 10,000 rpm there is a reduction in windage within the stack affecting the head/actuator assembly thus resulting in reduced non-repeatable runout.

47. (New) A data storage assembly comprising:

a housing comprising 3 ½ inch standard form factor configuration; and

at least one data storage device supported in the housing comprising;

a rotatable data storage disc comprising a diameter equal to or less than 84 mm and

a single spindle operably mounted to a single spindle motor that rotates at least one data storage disc, and;

a head/actuator assembly operably reading and writing data to and from the data storage disc.

48. (New) The data storage assembly of claim 47 wherein the data storage device further includes a stack of discs rotated on the single spindle by a spindle motor at a design speed of at least 10,000 rpm.

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49. (New) The data storage assembly of claim 47 wherein the disc further comprises a diameter defined by the ratio of the disc diameter to a housing width being within the range of 0.83 and 0.65.

50. (New) The data storage assembly of claim 48 wherein when the stack of discs with a housing width to disc diameter ratio of 0.83 to 0.65 is rotated at the design speed, the data storage assembly utilizing substantially similar power levels while maintaining substantially similar operating temperatures as compared to a storage assembly comprising a stack of discs with a housing width to disc diameter ration of greater than 0.83 rotated at a design speed less than 10,000 rpm.

51. (New) In a data storage assembly comprising a housing comprising a standard form factor configuration associated with a standard width, length and height, and a data storage device supported in the housing adapted to receive a rotatable data storage disc comprising a diameter defined by a ratio of the disc diameter to the housing width being greater than or equal to 0.89, and a head/actuator adaptively reading and writing data to and from the data storage disc, the improvement comprising a data storage disc in the housing comprising a diameter defined by the ratio of the disc diameter to the housing width being less than or equal to 0.88 and greater than 0.65.